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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/749,876	12/31/2003	Christopher Gudeman	KOV-012	6305
36872	7590	08/11/2005	EXAMINER	
THE LAW OFFICES OF ANDREW D. FORTNEY, PH.D., P.C. 7257 N. MAPLE AVENUE BLDG. D, 3107 FRESNO, CA 93720			WALKE, AMANDA C	
		ART UNIT		PAPER NUMBER
		1752		

DATE MAILED: 08/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/749,876	GUDEMAN ET AL.	
	Examiner	Art Unit	
	Amanda C. Walke	1752	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 19 May 2005.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-112 is/are pending in the application.
 4a) Of the above claim(s) 21-112 is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-20 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 20 January 2004 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

1. Applicant's election with traverse of a radiation patternable functional material in the reply filed on 5/19/2005 is acknowledged. The traversal is on the ground(s) that the inventions actually are all related and do not require multiple searches or burden on the examiner. This is not found persuasive because as pointed out by the examiner, the different groups/ inventions are all classified in different areas requiring different searches. For example, the search of the radiation patternable material comprising a nanoparticle, is quite different than a simple particle that may be used in a multitude of materials or the process of forming that particle. Likewise the radiation patternable material is not required to be employed in a material or process as other groups are drawn to. The six (the claims of group VII, 113-123, have been canceled by applicant) different groups are drawn to inventions that are classified in different classes and subclasses, and are patentably distinct, thus creating a burden on the examiner and the restriction requirement is maintained. An action on the merits with respect to the instant claims 1-20 of the elected group I follows.

The requirement is still deemed proper and is therefore made FINAL.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

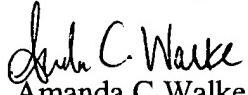
3. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Hanabata et al (6,921,623).

Hanabata et al disclose an active component which is useful for forming minute patterns such as semiconductor integrated circuits using a beam, for example, ultraviolet rays or far-ultraviolet rays (including excimer lasers or the like); a photosensitive resin composition (resist composition) using the same; and a process for forming a pattern using the same. The combination use of an active component and a photosensitive resin composition is attributed to forming high resolution pattern with high sensitivity because of a difference in solubility in a developer between exposed area and non-exposed area, wherein a functional group is introduced into the active component [e.g., a fine or finely divided particle (an active particle) capable of being hydrophilic by eliminating a hydrophobic leaving group owing to at least light exposure, a specific metal alkoxide (an active metal alkoxide) or the polycondensate thereof (an active particle formed by polycondensation)] to cause (yield) a difference in solubility owing to light exposure, and that the combination use of the metal alkoxide or a polycondensate thereof, and a photosensitive resin composition, is attributed to forming high(er) resolution pattern with higher sensitivity because of reduction of impurity incorporation. The present invention was accomplished based on the above findings. The claimed particle appears to meet the instant claim limitations, thus the instant claims are anticipated.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amanda C. Walke whose telephone number is 571-272-1337. The examiner can normally be reached on M-R 5:30-4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia Kelly can be reached on 571-272-1526. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Amanda C. Walke
Examiner
Art Unit 1752

ACW
August 8, 2005